FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 05/03/01
Date Received: 04/26/01
Project: Metro K. C. Grab, PO# M65868
Date Extracted: 4/27/01
Date Analyzed: 4/27/01

RESULTS FROM THE ANALYSIS OF THE WATER SAMPLE FOR TOTAL METALS BY INDUCTIVELY COUPLED PLASMA (ICP) (METHOD 6010)

Results Reported as mg/L (ppm)

Sample ID Laboratory ID	Chromium	Copper	Nickel	Zinc
M65868 104111-01	0.46	0.25	0.33	0.07
Method Blank	<0.05	<0.05	<0.05	<0.05

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QUALITY ASSURANCE RESULTS FROM TOTAL METALS BY INDUCTIVELY COUPLED PLASMA (ICP) (METHOD 6010)

Laboratory Code: 104110-01 (Duplicate)

Analyte	Reporting Units	Sample Result	Duplicate Result	Relative Percent Difference	Acceptance Criteria
Chromium	mg/L (ppm)	0.38	0.38	0	0-20
Copper	mg/L (ppm)	0.33	0.32	3	0-20
Nickel	mg/L (ppm)	0.37	0.38	3	0-20
Zinc	mg/L (ppm)	0.06	<0.05	nm	0-20

Laboratory Code: 104110-01 (Matrix Spike)

Analyte	Reporting Units	Spike Level	Sample Result	% Recovery MS	% Recovery MSD	Acceptance Criteria	RPD (Lim 20)
Chromium	mg/L (ppm)	5	0.38	91	89	80-120	2
Copper	mg/L (ppm)	5	0.33	93	91	80-120	2
Nickel	mg/L (ppm)	10	0.37	95	91	80-120	4
Zinc	mg/L (ppm)	5	0.06	97	94	80-120	3

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	% Recovery LCS	% Recovery LCSD	Acceptance Criteria	RPD (Limit 20)
Chromium	mg/L (ppm)	50	95	101	80-120	6
Copper	mg/L (ppm)	50	98	102	80-120	4
Nickel	mg/L (ppm)	100	102	106	80-120	4
Zinc	mg/L (ppm)	50	103	106	80-120	3

nm - The analyte was not detected in one or more of the duplicate analyses. Therefore, calculation of the RPD is not applicable.

10411

SAMPLE CHAIN OF CUSTODY

KG 4.26.01 AE4

Send Report To Gerald A. Thompson

Company Alaskan Copper Works

Address 628 S. Hanford St

City, State, ZIP Seattle WA 98134

Phone # 206-382-8579 Fax # 206-382-4309

SAMPLERS (signature)

PROJECT NAME/NO.: Metro K.C. Grab

PO #: M65868

REMARKS

Page # _____ of _____

TURNAROUND TIME
- ☐ Standard (2 Weeks)
- ☐ RUSH

Rush charges authorized by: _____

SAMPLE DISPOSAL
- ☐ Dispose after 30 days
- ☐ Return samples
- ☐ Will call with instructions

Sample ID	Lab ID	Date Sampled	Time Sampled	Sample Type	# of containers	ANALYSES REQUESTED: TPH-Diesel	TPH-Gasoline	BTEX by 8021B	VOCs by 8260	SVOCs by 8270	HFS	dec cy ni; zn						Notes
M65868	01	4-25	2:00	H2O	1													

	SIGNATURE	PRINT NAME	COMPANY	DATE	TIME
Relinquished by:		Gerald A. Thompson	ACW	4-26-01	1:24
Received by:		Kati Trefon	FBi	4.26.01	1324
Relinquished by:					
Received by:					

Friedman & Bruya, Inc.
3012 16th Avenue West
Seattle, WA 98119-2029
Ph. (206) 285-8282
Fax (206) 283-5044

FORMS\CHECKIN\COC.DOC

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

James E. Bruya, Ph.D.
Charlene Jensen, M.S.
Bradley T. Benson, B.S.
Kurt Johnson, B.S.

3012 16th Avenue West
Seattle, WA 98119-2029
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FAX: (206) 283-5044
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May 3, 2001

DUPLICATE COPY

INVOICE # 01ACU0503-3

Accounts Payable
Alaskan Copper Works
628 South Hanford
Seattle, WA 98134

RE: Project Metro K. C. Grab, PO# M65868 - Results of testing requested by Gerry Thompson for material submitted on April 26, 2001.

1 sample analyzed for Total Chromium, Copper, Nickel and Zinc by Method 6010B @ $80 per sample	$ 80.00
Amount Due	$ 80.00

FEDERAL TAX ID (b) (6)

FRIEDMAN & BRUYA, INC.

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TEL: (206) 285-8282
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May 3, 2001

Gerry Thompson, Project Manager
Alaskan Copper Works
628 South Hanford
Seattle, WA 98134

Dear Mr. Thompson:

Included are the results from the testing of material submitted on April 26, 2001 from your Metro K. C. Grab, PO# M65868 project. Any samples that may remain are currently scheduled for disposal in 30 days. If you would like us to return your samples or arrange for long term storage at our offices, please contact us as soon as possible.

We appreciate this opportunity to be of service to you and hope you will call if you should have any questions.

Sincerely,

FRIEDMAN & BRUYA, INC.

Charlene Jensen for

Kate Trafton
Project Manager

Enclosures
ACU0503R.DOC